



SEPARATOR



54-00068



BROWNFIELD



COMPLIANCE



06/07/2001



NA

**GROUNDWATER MONITORING REPORT
CEDAR CHEMICAL CORPORATION**

Prepared for:

**Cedar Chemical Corporation
West Helena, Arkansas 72390**

Prepared by:

**EnSafe Inc.
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June 7, 2001

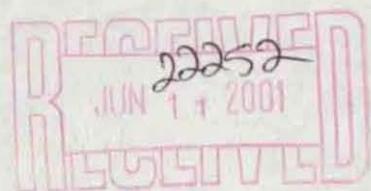


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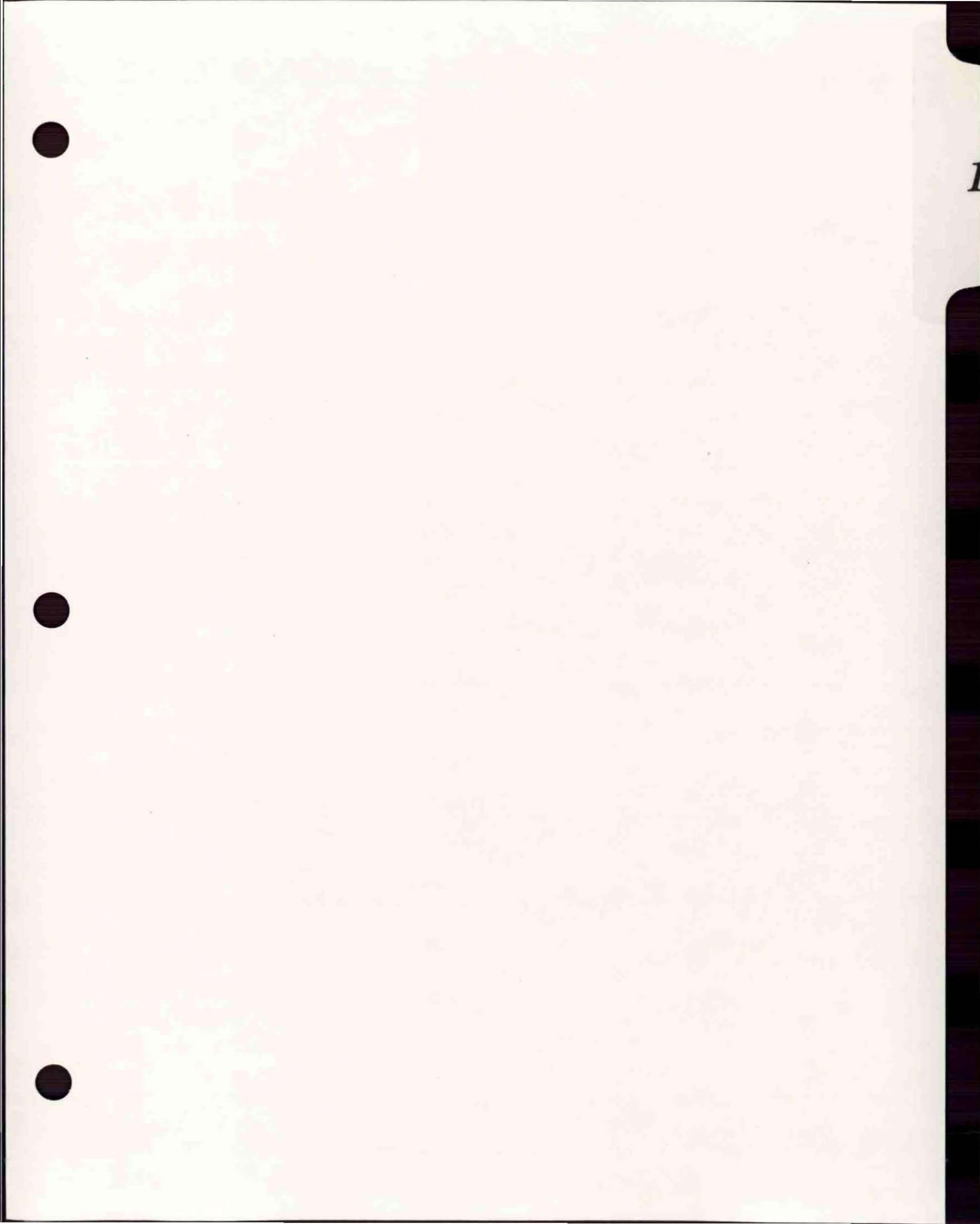
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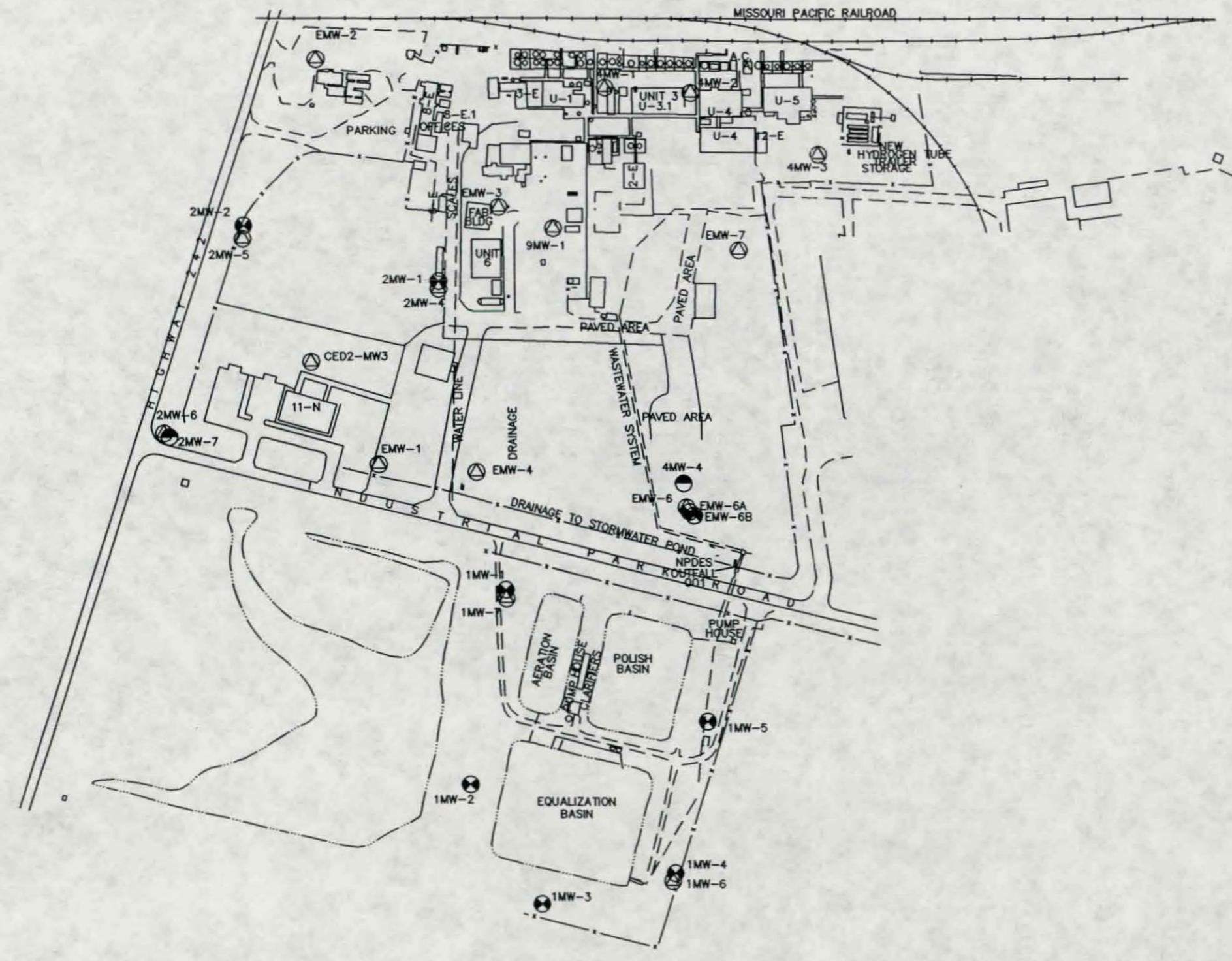


1.0 INTRODUCTION

Cedar Chemical Corporation (Cedar) conducted a Facility Investigation (FI) pursuant to Consent Administrative Order No. LIS 91-118, issued by the Arkansas Department of Environmental Quality (ADEQ) in 1991, for the Cedar facility in West Helena, Arkansas. As part of the FI, 32 wells have been installed on the Cedar Chemical facility including two offsite locations. Eight of the 32 wells are screened in the noncontinuous surficial saturated zone overlying the alluvial clay semiconfining unit. The remaining 24 wells are screened in the alluvial aquifer overlying the Jackson/Claiborne Group (Jackson Clay). Based on previous sampling events and the March 2001 Risk Assessment Report, it has been determined that the primary site constituents of concern (COC) in the alluvial aquifer are benzene, chloroform, 1,2-dichloroethane, 1,1,2-trichloroethane, and toluene.

Groundwater sampling was conducted to monitor the changing conditions of the contamination in the alluvial aquifer and the surficial saturated zone. This was accomplished by analyzing groundwater samples for volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), pesticides, and arsenic. All onsite well locations are presented in Figure 1. Offsite well locations are presented in Figure 2.

During the April 2001 sampling event, all wells, except existing wells 6, 6a, 6b, site 4 MW-2, and site 2 MW-1 were sampled. The MW-6 well cluster was inaccessible due to water conditions in the stormwater treatment system. Site 4 MW-2 was not sampled because it has been covered with asphalt. Site 2 MW-1 is screened in a seasonal, perched, saturated zone and did not yield sufficient water for sampling. The results of this sampling event are presented in Section 3.



LEGEND

- WATER OR DRAINAGE
- ROAD
- |||| - RAILROAD
- BUILDING
- FENCE
- SUBSURFACE PIPING (APPROX.)
- (○) - MONITORING WELL (PERCHED ZONE)
- (○) - SHALLOW MONITORING WELL (UPPER ALLUVIUM)
- (●) - DEEP MONITORING WELL (LOWER ALLUVIUM)

250 0 250
SCALE FEET

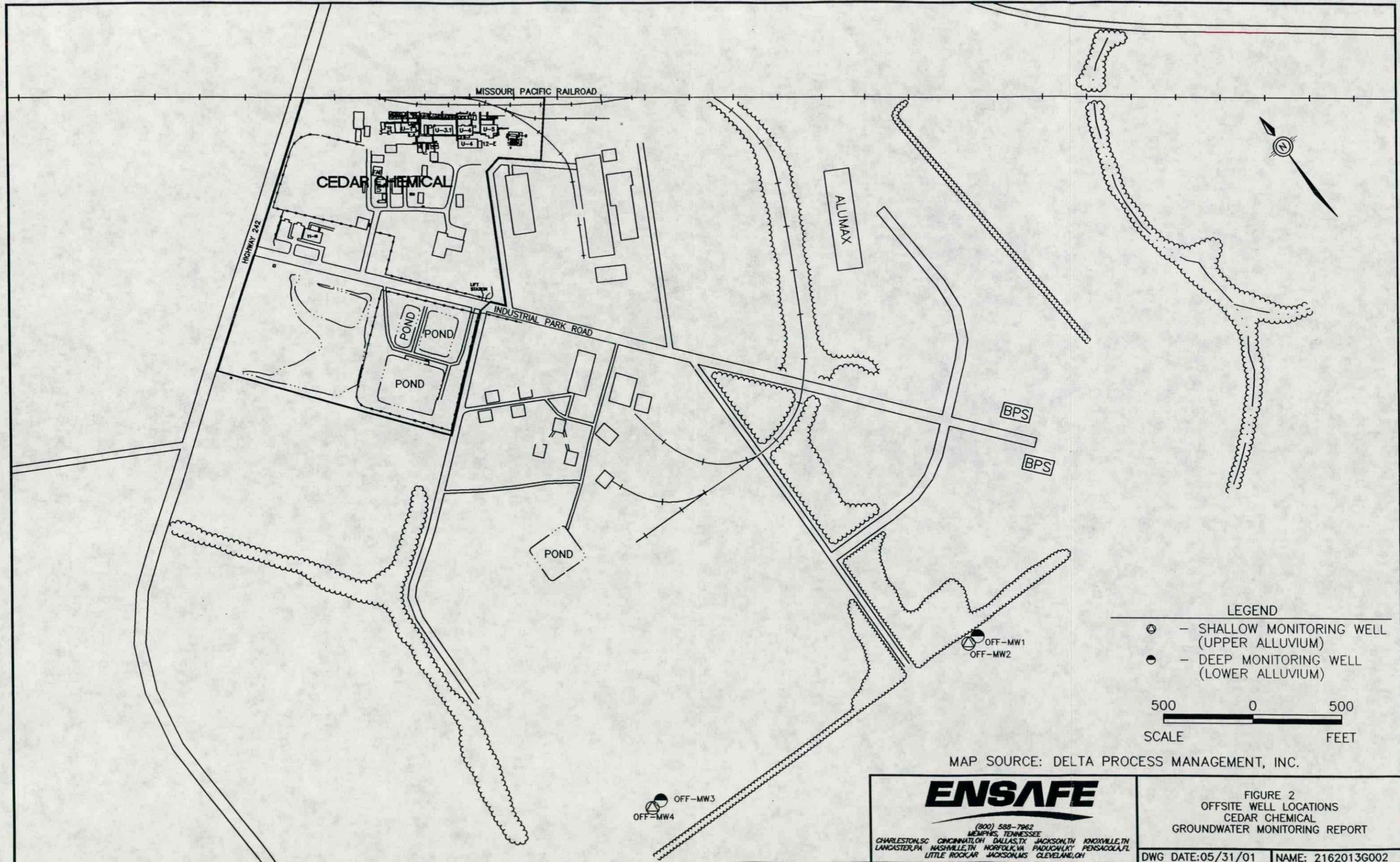
MAP SOURCE: DELTA PROCESS MANAGEMENT, INC.

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(800) 588-7962
MEMPHIS, TENNESSEE
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LANCASTER, PA NASHVILLE, TN NORFOLK, VA PADUCAH, KY PENSACOLA, FL
LITTLE ROCK, AR JACKSON, MS CLEVELAND, OH

FIGURE 1
WELL LOCATION MAP
CEDAR CHEMICAL
GROUNDWATER MONITORING REPORT

DWG DATE: 05/31/01 NAME: 2162013G001



MAP SOURCE: DELTA PROCESS MANAGEMENT, INC.

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LITTLE ROCK, AR JACKSON, MS CLEVELAND, OH

FIGURE 2
OFFSITE WELL LOCATIONS
CEDAR CHEMICAL
GROUNDWATER MONITORING REPORT

DWG DATE: 05/31/01 NAME: 2162013G002

2.0 GROUNDWATER SAMPLING PROCEDURES

Groundwater samples were collected using both peristaltic and centrifugal pumps and dedicated Teflon tubing. Sampling procedures for the peristaltic pump were consistent with those discussed in Section 3.4 of the *Facility Investigation Report*, (EnSafe, March 2, 1995). Centrifugal pump sampling procedures varied from the referenced procedures only by lack of need for a transfer bottle. Samples from the centrifugal pump were collected directly from the pump tubing. The samples were collected in the appropriate preserved sample containers.

Once the samples were collected, each container was labeled with the well identification number, the analysis method for the sample, and the date and time of collection. Samples were placed in an ice chest and shipped to Southwest Laboratories of Oklahoma, Inc. in Broken Arrow, Oklahoma. Each groundwater sample was analyzed for VOCs (Method 8260B), SVOCs (Method 8270C), Pesticides (Method 8081A), and arsenic (Method 6010B).

All sampling equipment that contacted the monitoring wells was decontaminated prior to use in each well. Decontamination procedures were consistent with those discussed in Section 3.5 of the FI report, with one exception, the decontaminated sampling equipment was wrapped in plastic rather than aluminum foil for transfer between sampling locations.

2.1 Potentiometric Surface Map

Static water levels were measured at each well prior to sampling. All water levels were recorded on the same day to reduce the potential of natural fluctuations in the levels affecting the contoured surface of the potentiometric surface map. Measurements were made to the nearest one-hundredth of a foot using an electronic water level indicator. The depth to groundwater was recorded on the groundwater sampling sheet for calculating purge volumes and was referenced to mean sea level for potentiometric surface mapping. Table 1 presents the static water levels for this sampling event. Figure 3 presents the potentiometric surface observed during this event.

Table 1
Cedar Chemical
Static Water Elevations and Organic Vapor Concentrations
April 2001 Sampling Event

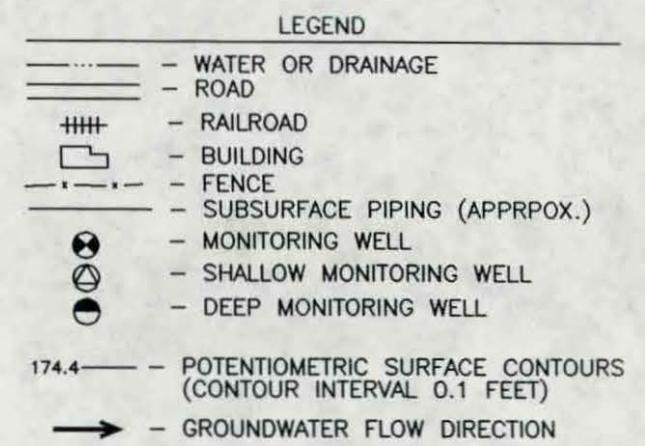
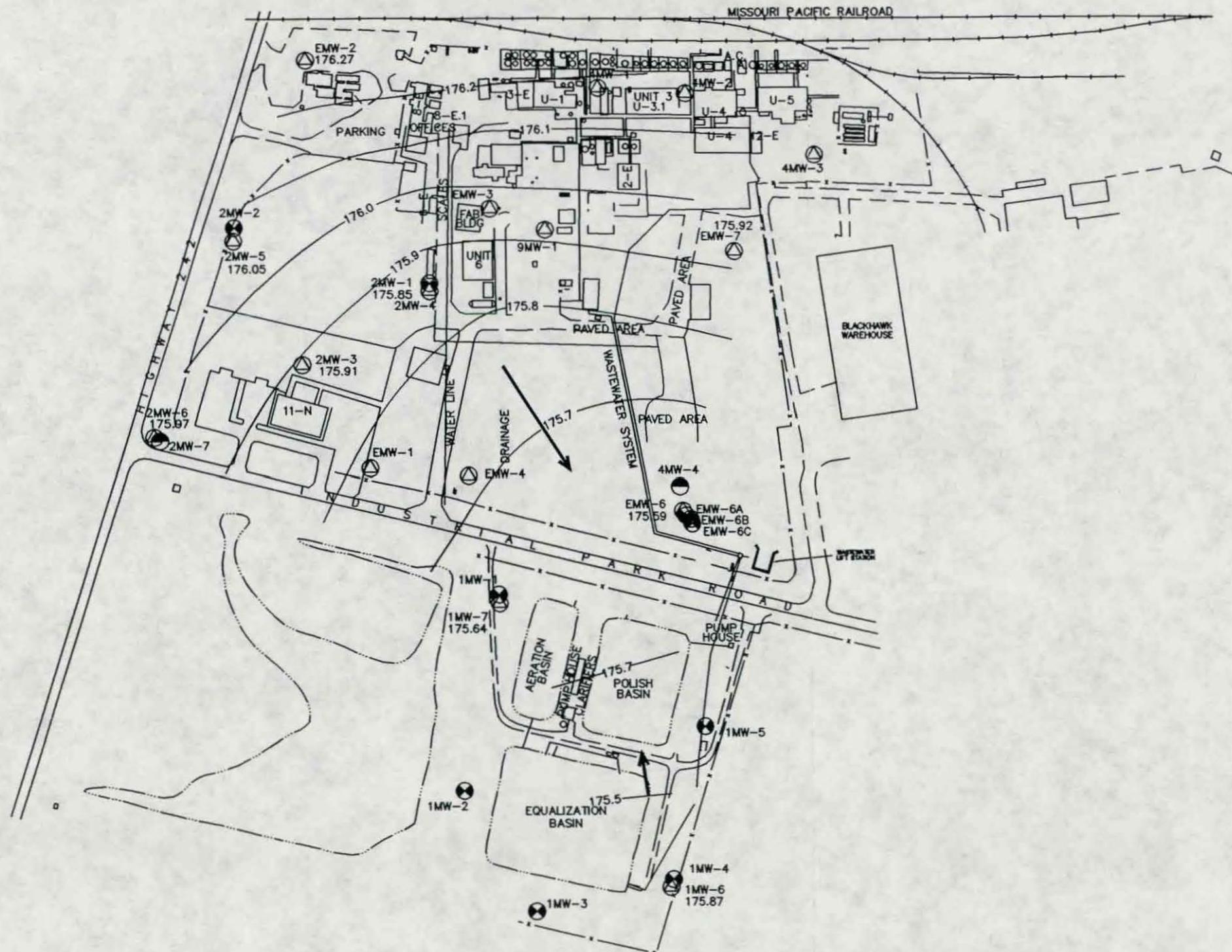
Well Number	Top of Casing Elevation (feet msl)	Depth to Water (feet bgs)	Static Water Elevation (feet msl)	Organic Vapor Concentration (ppm)
1MW-1 ^a	195.43	6.98	188.45	7.7
1MW-2 ^a	194.4	7.25	187.15	7.3
1MW-3	191.49	8.05	183.44	1.1
1MW-4	191.9	8.23	183.67	0.3
1MW-5	194.16	9.18	184.98	0.4
1MW-6	191.97	16.10	175.87	0.0
1MW-7	195.46	19.82	175.64	2.2
2MW-1	201.17	20.40	180.77	130.0
2MW-2	199.88	15.82	184.06	0.6
2MW-3	198.76	22.85	175.91	3.7
2MW-4	201.1	25.25	175.85	0.4
2MW-5	199.9	23.85	176.05	0.3
2MW-6	198.47	22.50	175.97	0.7
2MW-7	198.7	23.45	175.25	1.0
4MW-1	197.69	21.50	176.19	NA ^d
4MW-2 ^b	198.01	—	—	NA
4MW-3	200.91	19.52	181.39	1.1
4MW-4	202.04	26.45	175.59	2.0
9MW-1 ^c	—	20.00	—	5.8
EMW-1 ^a	198.23	11.10	187.13	0
EMW-2	199.87	23.60	176.27	0
EMW-3 ^a	199.31	23.30	176.01	36.0
EMW-4 ^a	198.13	9.94	188.19	4.0
EPZ-5 ^c	—	24.0	—	0.0
EMW-6 ^b	199.56	—	—	NA
EMW-6A ^{a,b}	198.54	—	—	NA
EMW-6B ^{a,b}	198.09	—	—	NA
EMW-7	198.47	22.55	175.92	0.1
OFFMW-1 ^c	—	9.63	NA	NA

Table 1
Cedar Chemical
Static Water Elevations and Organic Vapor Concentrations
April 2001 Sampling Event

Well Number	Top of Casing Elevation (feet msl)	Depth to Water (feet bgs)	Static Water Elevation (feet msl)	Organic Vapor Concentration (ppm)
OFFMW-2 ^c	—	9.44	NA	NA
OFFMW-3 ^c	—	9.46	NA	NA
OFFMW-4 ^c	—	9.50	NA	NA

Notes:

- a = Well not used in production of potentiometric surface map due to suspect top of casing survey data due to damaged protective casing or anomalous elevation relative to neighboring wells, or it was not screened in the alluvial aquifer.
- b = No static water level recorded.
- c = Well not surveyed.
- d = Historically this well has produced high volumes of gases which interfere with the monitoring equipment preventing the collection of accurate readings.
- msl = mean sea level
- ppm = parts per million
- bgs = below ground surface



250 0 250
SCALE FEET

MAP SOURCE: DELTA PROCESS MANAGEMENT, INC.

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FIGURE 3
POTENTIOMETRIC SURFACE MAP
CEDAR CHEMICAL
GROUNDWATER MONITORING REPORT

DWG DATE: 05/31/01 NAME: 2162013G003

3.0 RESULTS

Table 2 in this section summarizes the contaminants that were detected during the April 2001 groundwater sampling event. The validated laboratory report for the sampling event is provided in Appendix A.

Table 2
Cedar Chemical
April 2001 Sampling Results
Hits Only

Parameter		1MW-1	1MW-2	1MW-3	1MW-4	1MW-5	1MW-6	1MW-7	2MW-2	2MW-3	2MW-4	2MW-5	2MW-6
Metals	units = µg/L								6.8	400	5.2		
	Arsenic												
Pesticides	units = µg/L												
	4,4'-DDT											0.074	
	Alpha-BHC			0.041	0.088								
	Endosulfan I											0.088	
	Endosulfan II												
	Endrin aldehyde											0.10	
	Endrin ketone												
	Methoxychlor											0.13	
SVOCs	units = µg/L												
	1,2-Dichlorobenzene								45	57	51		13
	1,4-Dichlorobenzene												
	2,4-Dichlorophenol												
	2-Chlorophenol												
	2-Methylphenol (o-Cresol)											28	
	3,4-Dichloroaniline								240	100	170	4.0	25
	4-Chloroaniline											66	8.0
	4-Methylphenol (p-Cresol)											50	
	Benzoic acid					8.0	7.0	8.0					
	bis(2-Chloroethyl)ether											100	
	bis(2-Ethylhexyl)phthalate (BEHP)			35			14						
	Dinoseb								19				18
	Isophorone												
	Naphthalene												
	Phenol												
	Propanil											5.0	
VOCs	units = µg/L												
	1,2-Dichlorobenzene								53	94	76	4.0	18
	1,2-Dichloroethane			3.0	540		850			550	850		2.0
	4-Methyl-2-Pentanone (MIBK)											290	
	Chlorobenzene											21	88
	Chloroethane											68	
	Toluene											160	5.0

Bold = Not detected in previous event.

Shaded = > 25% increase from previous event.

Table 2
Cedar Chemical
April 2001 Sampling Results
Hits Only

Parameter		2MW-7	2MW-7 DUP	4MW-1	4MW-3	4MW-4	9MW-1	EMW-1	EMW-1 DUP	EMW-2	EMW-3
Metals	units = µg/L										
Arsenic		16.9		15.3	49.1		23.2				6.6
Pesticides	units = µg/L										
4,4'-DDT											
Alpha-BHC								0.045	0.047		
Endosulfan I						0.27					
Endosulfan II											
Endrin aldehyde											
Endrin ketone					0.17						
Methoxychlor											
SVOCs	units = µg/L										
1,2-Dichlorobenzene				280			32				120
1,4-Dichlorobenzene					11						
2,4-Dichlorophenol					11						
2-Chlorophenol					30						
2-Methylphenol (o-Cresol)				1200							
3,4-Dichloroaniline				2400			59	4.0	5.0		420
4-Chloroaniline				6500			7.0				50
4-Methylphenol (p-Cresol)				660							
Benzoic acid					7.0						8.0
bis(2-Chloroethyl)ether				7.4							
bis(2-Ethylhexyl)phthalate (BEHP)				31							
Dinoseb					57			6.0	6.0	50	
Isophorone				350		12					
Naphthalene											3.0
Phenol				230							
Propanil				310							
VOCs	units = µg/L										
1,2-Dichlorobenzene					17		37		0.1		74
1,2-Dichloroethane					390	570	800	0.8	0.7	0.3	4800
4-Methyl-2-Pentanone (MIBK)							15				
Chlorobenzene											
Chloroethane											
Toluene				63000	110						

Bold = Not detected in previous event.

Shaded = > 25% increase from previous event.

Table 2
Cedar Chemical
April 2001 Sampling Results
Hits Only

	Parameter	EMW-4	EMW-7	EPZ-5	OFFMW-1	OFFMW-2	OFFMW-3	OFFMW-4
Metals	units = µg/L							
	Arsenic							
Pesticides	units = µg/L							
	4,4'-DDT							
	Alpha-BHC							
	Endosulfan I							
	Endosulfan II							
	Endrin aldehyde							
	Endrin ketone							
	Methoxychlor							
SVOCs	units = µg/L							
	1,2-Dichlorobenzene		21					
	1,4-Dichlorobenzene							
	2,4-Dichlorophenol							
	2-Chlorophenol							
	2-Methylphenol (o-Cresol)							
	3,4-Dichloroaniline		220					
	4-Chloroaniline		310					
	4-Methylphenol (p-Cresol)							
	Benzoic acid		8.0					
	bis(2-Chloroethyl)ether							
	bis(2-Ethylhexyl)phthalate (BEHP)							
	Dinoseb			180				
	Isophorone							
	Naphthalene							
	Phenol							
	Propanil							
VOCs	units = µg/L							
	1,2-Dichlorobenzene		31					
	1,2-Dichloroethane		490	30000	2.0	990	10000	700
	4-Methyl-2-Pentanone (MIBK)							250
	Chlorobenzene		53					
	Chloroethane							
	Toluene				610			

Bold = Not detected in previous event.

Shaded = > 25% increase from previous event.

4.0 SUMMARY

As noted in Table 2, changes in contaminant concentrations have occurred in some of the monitoring wells since the last groundwater monitoring event. In addition, relatively low concentrations of compounds not previously encountered in some monitoring wells were detected. The most notable change was the increase in 1,2-Dichloroethane concentrations in the offsite monitoring wells and the decrease in that same compound in monitoring well EMW-7 located on the east side of the site near the property boundary with Blackhawk. Table 3 shows a comparison of the 1,2-Dichloroethane concentrations detected in this sampling event with the results from the July 1997 event.

Table 3
Comparison of 1,2-Dichloroethane Concentrations

Monitoring Well	1,2-Dichloroethane ($\mu\text{g/L}$)	
	July 1997	April 2001
EMW-7	91,000	30,000
OFFMW-1	540	990
OFFMW-2	3.4	10,000
OFFMW-3	150	700
OFFMW-4	Not Detected	250

In order to provide adequate, current data to develop corrective measures and prepare a comprehensive groundwater monitoring plan, Cedar will conduct another groundwater sampling event in July 2001 which will also include nearby agricultural wells that were not accessible during the April sampling event. The groundwater monitoring report for the July sampling event will provide a more detailed analysis and evaluation of the groundwater contamination and a groundwater monitoring plan that will be followed until final corrective measures are complete. The groundwater data will also be evaluated to determine if the changes in contaminant concentrations, and any new contaminants, have affected the COCs that were identified for groundwater in the risk assessment.

A

Appendix A
Analytical Data

DATACP3
05/31/01

CEDAR CHEMICAL
GROUNDWATER MONITORING EVENT APRIL 2001

Page: 1
Time: 15:23

ARSENIC		SHORT ID ----->	1MW-1 001G000107	1MW-2 001G000207	1MW-3 001G000307	1MW-4 001G000407	1MW-5 001G000507	1MW-6 001G000607				
CAS #	Parameter		46232	VAL	46237	VAL	46232	VAL	46232	VAL	46232	VAL
7440-38-2	Arsenic		3.3	U	3.3	U	3.3	U	3.3	U	3.3	U

*** Validation Complete ***

DATALCP3
05/31/01

CEDAR CHEMICAL
GROUNDWATER MONITORING EVENT APRIL 2001

Page: 2
Time: 15:23

ARSENIC		SHORT ID ----->	1MW-7	ZMW-2	ZMW-3	ZMW-4	ZMW-5	ZMW-6
CAS #	Parameter	ORIGINAL ID ----->	001G000707	002G000207	002G000307	002G000407	002G000507	002G000607
7440-38-2	Arsenic	SAMPLE DATE ----->	04/11/01	04/11/01	04/13/01	04/11/01	04/11/01	04/13/01
		DATE EXTRACTED -->	04/13/01	04/13/01	04/19/01	04/13/01	04/13/01	04/19/01
		DATE ANALYZED -->	04/20/01	04/20/01	04/20/01	04/20/01	04/20/01	04/20/01
		MATRIX ----->	Water	Water	Water	Water	Water	Water
		UNITS ----->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L

*** Validation Complete ***

DATALCP3
05/31/01

CEDAR CHEMICAL
GROUNDWATER MONITORING EVENT APRIL 2001

Page: 3
Time: 15:23

ARSENIC		SHORT ID ----->	2MW-7	2MW-7 DUP	4MW-1	4MW-4	EMW-1	EMW-1 DUP
CAS #	Parameter	ORIGINAL ID ----->	002G000707	002H000707	004G000107	004G000407	00EG000107	00EH000107
7440-38-2	Arsenic		16.9	15.3	49.1	23.2	3.3	U

*** Validation Complete ***

DATACP3
05/31/01

CEDAR CHEMICAL
GROUNDWATER MONITORING EVENT APRIL 2001

Page: 4
Time: 15:23

ARSENIC		SHORT ID ----->	EMW-3	EMW-4	EPZ-5			
		ORIGINAL ID ----->	00EG000307	00EG000407	PZEG000507			
		SAMPLE DATE ----->	04/11/01	04/11/01	04/11/01			
		DATE EXTRACTED -->	04/13/01	04/13/01	04/13/01			
		DATE ANALYZED -->	04/20/01	04/20/01	04/20/01			
		MATRIX ----->	Water	Water	Water			
		UNITS ----->	UG/L	UG/L	UG/L			
CAS #	Parameter	46232	VAL	46232	VAL	46232	VAL	
7440-38-2	Arsenic	6.6		3.3 U		3.3 U		

*** Validation Complete ***

CEDAR CHEMICAL
GROUNDWATER MONITORING EVENT APRIL 2001

PEST	SHORT ID ----->	1MW-1	1MW-2	1MW-3	1MW-4	1MW-5	1MW-6						
	ORIGINAL ID ----->	001G000107	001G000207	001G000307	001G000407	001G000507	001G000607						
	SAMPLE DATE ----->	04/11/01	04/11/01	04/11/01	04/11/01	04/12/01	04/11/01						
	DATE EXTRACTED -->	04/13/01	04/14/01	04/13/01	04/13/01	04/13/01	04/13/01						
	DATE ANALYZED -->	04/27/01	04/27/01	04/27/01	04/27/01	04/27/01	04/27/01						
	MATRIX ----->	Water	Water	Water	Water	Water	Water						
	UNITS ----->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L						
CAS #	Parameter	46232	VAL	46237	VAL	46232	VAL	46232	VAL	46232	VAL		
319-85-7	Beta-BHC		0.04	U		0.04	U		0.04	U		0.04	U
319-86-8	Delta-BHC		0.04	U		0.04	U		0.04	U		0.04	U
58-89-9	gamma-BHC (Lindane)		0.04	U		0.04	U		0.04	U		0.04	U
76-44-8	Heptachlor		0.054	U		0.04	U		0.04	U		0.04	U
309-00-2	Aldrin		0.04	U		0.04	U		0.04	U		0.04	U
1024-57-3	Heptachlor Epoxide		0.04	U		0.04	U		0.04	U		0.04	U
959-98-8	Endosulfan I		0.04	U		0.04	U		0.04	U		0.04	U
60-57-1	Dieldrin		0.08	U		0.08	U		0.08	U		0.08	U
72-55-9	4,4'-DDE		0.08	U		0.08	U		0.08	U		0.08	U
72-20-8	Endrin		0.08	U		0.08	U		0.08	U		0.08	U
33213-65-9	Endosulfan II		0.08	U		0.08	U		0.08	U		0.08	U
72-54-8	4,4'-DDD		0.08	U		0.08	U		0.08	U		0.08	U
1031-07-8	Endosulfan Sulfate		0.08	U		0.08	U		0.08	U		0.08	U
50-29-3	4,4'-DDT		0.08	U		0.08	U		0.08	U		0.08	U
72-43-5	Methoxychlor		0.38	U		0.38	U		0.38	U		0.38	U
53494-70-5	Endrin ketone		0.08	U		0.08	U		0.08	U		0.08	U
7421-93-4	Endrin aldehyde		0.08	U		0.08	U		0.08	U		0.08	U
5103-71-9	alpha-Chlordane		0.04	U		0.04	U		0.04	U		0.04	U
5103-74-2	gamma-Chlordane		0.04	U		0.04	U		0.04	U		0.04	U
12789-03-6	Technical Chlordane		0.04	U		0.04	U		0.04	U		0.04	U
8001-35-2	Toxaphene		2.5	U		2.5	U		2.5	U		2.5	U
319-84-6	Alpha-BHC		0.04	U		0.04	U	0.041	U	0.088	U	0.04	U

CEDAR CHEMICAL
GROUNDWATER MONITORING EVENT APRIL 2001

PEST	SHORT ID ----->	1MW-7	2MW-2	2MW-3	2MW-4	2MW-5	2MW-6						
	ORIGINAL ID ----->	001G000707	002G000207	002G000307	002G000407	002G000507	002G000607						
	SAMPLE DATE ----->	04/11/01	04/11/01	04/13/01	04/11/01	04/11/01	04/13/01						
	DATE EXTRACTED -->	04/13/01	04/13/01	04/16/01	04/13/01	04/13/01	04/16/01						
	DATE ANALYZED -->	04/27/01	04/27/01	04/27/01	04/27/01	04/27/01	04/27/01						
	MATRIX ----->	Water	Water	Water	Water	Water	Water						
	UNITS ----->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L						
CAS #	Parameter	46232	VAL	46232	VAL	46237	VAL	46232	VAL	46232	VAL	46237	VAL
319-85-7	Beta-BHC		0.04	U		0.04	U		0.04	U		0.04	U
319-86-8	Delta-BHC		0.04	U		0.04	U		0.04	U		0.04	U
58-89-9	gamma-BHC (Lindane)		0.04	U		0.04	U		0.062	U		0.04	U
76-44-8	Heptachlor		0.04	U		0.04	U		0.04	U		0.057	U
309-00-2	Aldrin		0.04	U		0.04	U		0.04	U		0.04	U
1024-57-3	Heptachlor Epoxide		0.04	U		0.04	U		0.04	U		0.04	U
959-98-8	Endosulfan I		0.04	U		0.04	U		0.04	U		0.04	U
60-57-1	Dieldrin		0.08	U		0.08	U		0.08	U		0.08	U
72-55-9	4,4'-DDE		0.08	U		0.08	U		0.08	U		0.08	U
72-20-8	Endrin		0.08	U		0.08	U		0.08	U		0.08	U
33213-65-9	Endosulfan II		0.08	U		0.08	U		0.088			0.08	U
72-54-8	4,4'-DDD		0.08	U		0.08	U		0.08	U		0.08	U
1031-07-8	Endosulfan Sulfate		0.08	U		0.08	U		0.08	U		0.08	U
50-29-3	4,4'-DDT		0.08	U		0.08	U		0.08	U		0.08	U
72-43-5	Methoxychlor		0.38	U		0.38	U		0.13			0.38	U
53494-70-5	Endrin ketone		0.08	U		0.08	U		0.08	U		0.08	U
7421-93-4	Endrin aldehyde		0.08	U		0.086	U		0.08	U		0.08	U
5103-71-9	alpha-Chlordane		0.04	U		0.04	U		0.04	U		0.04	U
5103-74-2	gamma-Chlordane		0.04	U		0.04	U		0.04	U		0.04	U
12789-03-6	Technical Chlordane		0.04	U		0.04	U		0.04	U		0.04	U
8001-35-2	Toxaphene		2.5	U		2.5	U		2.5	U		2.5	U
319-84-6	Alpha-BHC		0.04	U		0.04	U		0.04	U		0.04	U

CEDAR CHEMICAL
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PEST	SHORT ID ----->	2MW-7	2MW-7 DUP	004G000107	4MW-1	004G000307	4MW-3	004G000407	4MW-4	004G000107				
	ORIGINAL ID ----->	002G000707	DATE EXTRACTED -->	04/13/01	SAMPLE DATE ----->	04/13/01	DATE ANALYZED -->	04/16/01	MATRIX ----->	Water	UNITS ----->	UG/L		
CAS #	Parameter	46237	VAL	46237	VAL	46237	VAL	46232	VAL	46237	VAL	46237	VAL	
319-85-7	Beta-BHC		0.04	U		0.04	U		0.04	U		0.04	U	
319-86-8	Delta-BHC		0.04	U		0.04	U		0.04	U		0.04	U	
58-89-9	gamma-BHC (Lindane)		0.04	U		0.04	U		0.04	U		0.04	U	
76-44-8	Heptachlor		0.04	U		0.04	U		0.04	U		0.04	U	
309-00-2	Aldrin		0.04	U		0.04	U		0.04	U		0.04	U	
1024-57-3	Heptachlor Epoxide		0.04	U		0.04	U		0.04	U		0.04	U	
959-98-8	Endosulfan I		0.04	U		0.04	U	0.27		0.04	U		0.04	U
60-57-1	Dieldrin		0.08	U		0.08	U		0.08	U		0.08	U	
72-55-9	4,4'-DDE		0.08	U		0.08	U		0.08	U		0.08	U	
72-20-8	Endrin		0.08	U		0.08	U		0.08	U		0.08	U	
33213-65-9	Endosulfan II		0.08	U		0.08	U	0.36	U	0.08	U		0.08	U
72-54-8	4,4'-DDD		0.08	U		0.08	U	0.27	U	0.08	U		0.08	U
1031-07-8	Endosulfan Sulfate		0.08	U		0.08	U	0.08	U	0.08	U		0.08	U
50-29-3	4,4'-DDT		0.08	U		0.08	U	0.08	U	0.08	U		0.08	U
72-43-5	Methoxychlor		0.38	U		0.38	U	0.38	U	0.38	U		0.38	U
53494-70-5	Endrin ketone		0.08	U		0.08	U	0.17		0.08	U		0.08	U
7421-93-4	Endrin aldehyde		0.08	U		0.08	U	0.08	U	0.08	U		0.08	U
5103-71-9	alpha-Chlordane		0.04	U		0.04	U	0.04	U	0.04	U		0.04	U
5103-74-2	gamma-Chlordane		0.04	U		0.04	U	0.086	U	0.04	U		0.04	U
12789-03-6	Technical Chlordane		0.04	U		0.04	U	0.04	U	0.04	U		0.04	U
8001-35-2	Toxaphene		2.5	U		2.5	U	2.5	U	2.5	U		2.5	U
319-84-6	Alpha-BHC		0.04	U		0.04	U	0.04	U	0.04	U		0.04	U

CEDAR CHEMICAL
GROUNDWATER MONITORING EVENT APRIL 2001

PEST	SHORT ID ----->	EMW-1	EMW-1 DUP	EMW-2	EMW-3	EMW-4	EMW-7						
	ORIGINAL ID ----->	00EG000107	00EH000107	00EG000207	00EG000307	00EG000407	00EG000707						
	SAMPLE DATE ----->	04/11/01	04/11/01	04/12/01	04/11/01	04/11/01	04/12/01						
	DATE EXTRACTED -->	04/13/01	04/13/01	04/14/01	04/13/01	04/13/01	04/14/01						
	DATE ANALYZED -->	04/27/01	04/27/01	04/28/01	04/27/01	04/27/01	04/28/01						
	MATRIX ----->	Water	Water	Water	Water	Water	Water						
	UNITS ----->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L						
CAS #	Parameter	46232	VAL	46232	VAL	46237	VAL	46232	VAL	46232	VAL	46237	VAL
319-85-7	Beta-BHC		0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	
319-86-8	Delta-BHC		0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	
58-89-9	gamma-BHC (Lindane)		0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	
76-44-8	Heptachlor		0.048	U	0.04	U	0.041	U	0.04	U	0.04	U	
309-00-2	Aldrin		0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	
1024-57-3	Heptachlor Epoxide		0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	
959-98-8	Endosulfan I		0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	
60-57-1	Dieldrin		0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	
72-55-9	4,4'-DDE		0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	
72-20-8	Endrin		0.08	U	0.08	U	0.08	U	0.08	U	0.41	U	
33213-65-9	Endosulfan II		0.08	U	0.08	U	0.08	U	0.22	U	0.08	U	
72-54-8	4,4'-DDD		0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	
1031-07-8	Endosulfan Sulfate		0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	
50-29-3	4,4'-DDT		0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	
72-43-5	Methoxychlor		0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	
53494-70-5	Endrin ketone		0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	
7421-93-4	Endrin aldehyde		0.08	U	0.08	U	0.08	U	0.12	U	0.08	U	
5103-71-9	alpha-Chlordane		0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	
5103-74-2	gamma-Chlordane		0.052	U	0.04	U	0.04	U	0.04	U	0.04	U	
12789-03-6	Technical Chlordane		0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	
8001-35-2	Toxaphene		2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	
319-84-6	Alpha-BHC		0.045		0.047		0.04	U	0.04	U	0.09	U	

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PEST	SHORT ID ----->	OFFMW-1	OFFMW-2	OFFMW-3	OFFMW-4	EPZ-5						
	ORIGINAL ID ----->	OFFG000107	OFFG000207	OFFG000307	OFFG000407	PZEG000507						
	SAMPLE DATE ----->	04/11/01	04/11/01	04/12/01	04/12/01	04/11/01						
	DATE EXTRACTED -->	04/13/01	04/13/01	04/13/01	04/13/01	04/13/01						
	DATE ANALYZED -->	04/27/01	04/27/01	04/27/01	04/27/01	04/27/01						
	MATRIX ----->	Water	Water	Water	Water	Water						
	UNITS ----->	UG/L	UG/L	UG/L	UG/L	UG/L						
CAS #	Parameter	46232	VAL	46232	VAL	46232	VAL	46232	VAL	46232	VAL	
319-85-7	Beta-BHC		0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
319-86-8	Delta-BHC		0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
58-89-9	gamma-BHC (Lindane)		0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
76-44-8	Heptachlor		0.04	U	0.053	U	0.04	U	0.04	U	0.04	U
309-00-2	Aldrin		0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
1024-57-3	Heptachlor Epoxide		0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
959-98-8	Endosulfan I		0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
60-57-1	Dieldrin		0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
72-55-9	4,4'-DDE		0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
72-20-8	Endrin		0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
33213-65-9	Endosulfan II		0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
72-54-8	4,4'-DDD		0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
1031-07-8	Endosulfan Sulfate		0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
50-29-3	4,4'-DDT		0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
72-43-5	Methoxychlor		0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
53494-70-5	Endrin ketone		0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
7421-93-4	Endrin aldehyde		0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
5103-71-9	alpha-Chlordane		0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
5103-74-2	gamma-Chlordane		0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
12789-03-6	Technical Chlordane		0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
8001-35-2	Toxaphene		2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
319-84-6	Alpha-BHC		0.04	U	0.04	U	0.04	U	0.04	U	0.04	U

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SVOA		SHORT ID ----->	1MW-1	1MW-2	1MW-3	1MW-4	1MW-5	1MW-6			
		ORIGINAL ID ----->	001G000107	001G000207	001G000307	001G000407	001G000507	001G000607			
CAS #	Parameter	46232	VAL	46237	VAL	46232	VAL	46232	VAL	46232	VAL
108-95-2	Phenol	10.	U	10.	U	10.	U	10.	U	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U	10.	U	10.	U	10.	U	10.	U
95-57-8	2-Chlorophenol	10.	U	10.	U	10.	U	10.	U	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U
100-51-6	Benzyl alcohol	10.	U	10.	U	10.	U	10.	U	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U
95-48-7	2-Methylphenol (o-Cresol)	10.	U	10.	U	10.	U	10.	U	10.	U
108-60-1	bis(2-Chloroisopropyl)ether	10.	U	10.	U	10.	U	10.	U	10.	U
106-44-5	4-Methylphenol (p-Cresol)	10.	U	10.	U	10.	U	10.	U	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U	10.	U	10.	U	10.	U	10.	U
67-72-1	Hexachloroethane	10.	U	10.	U	10.	U	10.	U	10.	U
98-95-3	Nitrobenzene	10.	U	10.	U	10.	U	10.	U	10.	U
78-59-1	Isophorone	10.	U	10.	U	10.	U	10.	U	10.	U
88-75-5	2-Nitrophenol	10.	U	10.	U	10.	U	10.	U	10.	U
105-67-9	2,4-Dimethylphenol	10.	U	10.	U	10.	U	10.	U	10.	U
65-85-0	Benzoic acid	25.	U	25.	U	25.	U	8.	U	7.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U	10.	U	10.	U	10.	U	10.	U
120-83-2	2,4-Dichlorophenol	10.	U	10.	U	10.	U	10.	U	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U
91-20-3	Naphthalene	10.	U	10.	U	10.	U	10.	U	10.	U
106-47-8	4-Chloroaniline	10.	U	10.	U	10.	U	10.	U	10.	U
87-68-3	Hexachlorobutadiene	10.	U	10.	U	10.	U	10.	U	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U	10.	U	10.	U	10.	U	10.	U
91-57-6	2-Methylnaphthalene	10.	U	10.	U	10.	U	10.	U	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U	10.	U	10.	U	10.	U	10.	U
88-06-2	2,4,6-Trichlorophenol	10.	U	10.	U	10.	U	10.	U	10.	U
95-95-4	2,4,5-Trichlorophenol	25.	U	25.	U	25.	U	25.	U	25.	U
91-58-7	2-Chloronaphthalene	10.	U	10.	U	10.	U	10.	U	10.	U
88-74-4	2-Nitroaniline	25.	U	25.	U	25.	U	25.	U	25.	U
131-11-3	Dimethylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U
208-96-8	Acenaphthylene	10.	U	10.	U	10.	U	10.	U	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U	10.	U	10.	U	10.	U	10.	U
99-09-2	3-Nitroaniline	25.	U	25.	U	25.	U	25.	U	25.	U
83-32-9	Acenaphthene	10.	U	10.	U	10.	U	10.	U	10.	U
51-28-5	2,4-Dinitrophenol	25.	U	25.	U	25.	U	25.	U	25.	U
100-02-7	4-Nitrophenol	25.	U	25.	U	25.	U	25.	U	25.	U
132-64-9	Dibenzofuran	10.	U	10.	U	10.	U	10.	U	10.	U

*** Validation Complete ***

CEDAR CHEMICAL
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SVOA	SHORT ID ----->	1MW-1	1MW-2	1MW-3	1MW-4	1MW-5	1MW-6						
	ORIGINAL ID ----->	001G000107	001G000207	001G000307	001G000407	001G000507	001G000607						
	SAMPLE DATE ----->	04/11/01	04/11/01	04/11/01	04/11/01	04/12/01	04/11/01						
	DATE EXTRACTED -->	04/13/01	04/14/01	04/13/01	04/13/01	04/13/01	04/13/01						
	DATE ANALYZED -->	04/17/01	04/18/01	04/17/01	04/17/01	04/17/01	04/17/01						
	MATRIX ----->	Water	Water	Water	Water	Water	Water						
	UNITS ----->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L						
CAS #	Parameter	46232	VAL	46237	VAL	46232	VAL	46232	VAL	46232	VAL	46232	VAL
121-14-2	2,4-Dinitrotoluene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
84-66-2	Diethylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
86-73-7	Fluorene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
100-01-6	4-Nitroaniline	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
534-52-1	4,6-Dinitro-2-methylphenol	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
86-30-6	N-Nitrosodiphenylamine	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
118-74-1	Hexachlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
87-86-5	Pentachlorophenol	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
85-01-8	Phenanthrene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
120-12-7	Anthracene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
84-74-2	Di-n-butylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
206-44-0	Fluoranthene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
129-00-0	Pyrene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
85-68-7	Butylbenzylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
91-94-1	3,3'-Dichlorobenzidine	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
56-55-3	Benzo(a)anthracene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
218-01-9	Chrysene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	10.	U	10.	U	35.	U	10.	U	10.	U	14.	U
117-84-0	Di-n-octylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
50-32-8	Benzo(a)pyrene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
62-53-3	Aniline	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
88-85-7	Dinoseb	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
709-98-8	Propanil	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
95-76-1	3,4-Dichloroaniline	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U

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SVOA	SHORT ID ----->	1MW-7	2MW-2	2MW-3	2MW-4	2MW-5	2MW-6						
	ORIGINAL ID ----->	001G000707	002G000207	002G000307	002G000407	002G000507	002G000607						
	SAMPLE DATE ----->	04/11/01	04/11/01	04/13/01	04/11/01	04/11/01	04/13/01						
	DATE EXTRACTED --->	04/13/01	04/13/01	04/16/01	04/13/01	04/13/01	04/16/01						
	DATE ANALYZED --->	04/17/01	04/17/01	04/19/01	04/17/01	04/17/01	04/19/01						
	MATRIX ----->	Water	Water	Water	Water	Water	Water						
	UNITS ----->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L						
CAS #	Parameter	46232	VAL	46232	VAL	46237	VAL	46232	VAL	46232	VAL	46237	VAL
108-95-2	Phenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U	10.	U	100.		10.	U	10.	U	10.	U
95-57-8	2-Chlorophenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
100-51-6	Benzyl alcohol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U	45.		57.		51.		10.	U	13.	
95-48-7	2-Methylphenol (o-Cresol)	10.	U	10.	U	28.		10.	U	10.	U	10.	U
108-60-1	bis(2-Chloroisopropyl)ether	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
106-44-5	4-Methylphenol (p-Cresol)	10.	U	10.	U	50.		10.	U	10.	U	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
67-72-1	Hexachloroethane	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
98-95-3	Nitrobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
78-59-1	Isophorone	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
88-75-5	2-Nitrophenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
105-67-9	2,4-Dimethylphenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
65-85-0	Benzoic acid	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
120-83-2	2,4-Dichlorophenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
91-20-3	Naphthalene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
106-47-8	4-Chloroaniline	10.	U	10.	U	66.		8.		10.	U	10.	U
87-68-3	Hexachlorobutadiene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
91-57-6	2-Methylnaphthalene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
88-06-2	2,4,6-Trichlorophenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
95-95-4	2,4,5-Trichlorophenol	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
91-58-7	2-Chloronaphthalene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
88-74-4	2-Nitroaniline	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
131-11-3	Dimethylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
208-96-8	Acenaphthylene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
99-09-2	3-Nitroaniline	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
83-32-9	Acenaphthene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
51-28-5	2,4-Dinitrophenol	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
100-02-7	4-Nitrophenol	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
132-64-9	Dibenzofuran	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U

*** Validation Complete ***

CEDAR CHEMICAL
GROUNDWATER MONITORING EVENT APRIL 2001

SVOA	SHORT ID ----->	1MW-7	2MW-2	2MW-3	2MW-4	2MW-5	2MW-6						
	ORIGINAL ID ----->	001G000707	002G000207	002G000307	002G000407	002G000507	002G000607						
	SAMPLE DATE ----->	04/11/01	04/11/01	04/13/01	04/11/01	04/11/01	04/13/01						
	DATE EXTRACTED --->	04/13/01	04/13/01	04/16/01	04/13/01	04/13/01	04/16/01						
	DATE ANALYZED --->	04/17/01	04/17/01	04/19/01	04/17/01	04/17/01	04/19/01						
	MATRIX ----->	Water	Water	Water	Water	Water	Water						
	UNITS ----->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L						
CAS #	Parameter	46232	VAL	46232	VAL	46237	VAL	46232	VAL	46232	VAL	46237	VAL
121-14-2	2,4-Dinitrotoluene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
84-66-2	Diethylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
86-73-7	Fluorene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
100-01-6	4-Nitroaniline	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
534-52-1	4,6-Dinitro-2-methylphenol	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
86-30-6	N-Nitrosodiphenylamine	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
118-74-1	Hexachlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
87-86-5	Pentachlorophenol	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
85-01-8	Phenanthrene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
120-12-7	Anthracene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
84-74-2	Di-n-butylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
206-44-0	Fluoranthene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
129-00-0	Pyrene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
85-68-7	Butylbenzylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
91-94-1	3,3'-Dichlorobenzidine	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
56-55-3	Benzo(a)anthracene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
218-01-9	Chrysene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	10.	U	32.	U	10.	U	26.	U	10.	U	10.	U
117-84-0	Di-n-octylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
50-32-8	Benzo(a)pyrene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
62-53-3	Aniline	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
88-85-7	Dinoseb	10.	U	19.		10.	U	10.	U	18.		10.	U
709-98-8	Propanil	10.	U	10.	U	5.		10.	U	10.	U	10.	U
95-76-1	3,4-Dichloroaniline	10.	U	240.		100.		170.		4.		25.	

CEDAR CHEMICAL
GROUNDWATER MONITORING EVENT APRIL 2001

SVOA		SHORT ID ----->	2MW-7	2MW-7 DUP	4MW-1	4MW-3	4MW-4	9MW-1		
		ORIGINAL ID ----->	002G000707	002H000707	004G000107	004G000307	004G000407	009G000107		
		SAMPLE DATE ----->	04/13/01	04/13/01	04/13/01	04/11/01	04/13/01	04/12/01		
		DATE EXTRACTED -->	04/16/01	04/16/01	04/16/01	04/13/01	04/16/01	04/14/01		
		DATE ANALYZED -->	04/19/01	04/19/01	04/19/01	04/17/01	04/19/01	04/19/01		
		MATRIX ----->	Water	Water	Water	Water	Water	Water		
		UNITS ----->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L		
CAS #	Parameter		46237	VAL	46237	VAL	46237	VAL	46237	VAL
108-95-2	Phenol		10.	U	10.	U	230.		10.	U
111-44-4	bis(2-Chloroethyl)ether		10.	U	10.	U	7.4		10.	U
95-57-8	2-Chlorophenol		10.	U	10.	U	30.		10.	U
541-73-1	1,3-Dichlorobenzene		10.	U	10.	U	10.	U	10.	U
106-46-7	1,4-Dichlorobenzene		10.	U	10.	U	11.		10.	U
100-51-6	Benzyl alcohol		10.	U	10.	U	10.	U	10.	U
95-50-1	1,2-Dichlorobenzene		10.	U	10.	U	280.		10.	U
95-48-7	2-Methylphenol (o-Cresol)		10.	U	10.	U	1200.		10.	U
108-60-1	bis(2-Chloroisopropyl)ether		10.	U	10.	U	10.	U	10.	U
106-44-5	4-Methylphenol (p-Cresol)		10.	U	10.	U	660.		10.	U
621-64-7	N-Nitroso-di-n-propylamine		10.	U	10.	U	10.	U	10.	U
67-72-1	Hexachloroethane		10.	U	10.	U	10.	U	10.	U
98-95-3	Nitrobenzene		10.	U	10.	U	10.	U	10.	U
78-59-1	Isophorone		10.	U	10.	U	350.		10.	U
88-75-5	2-Nitrophenol		10.	U	10.	U	10.	U	10.	U
105-67-9	2,4-Dimethylphenol		10.	U	10.	U	10.	U	10.	U
65-85-0	Benzoic acid		25.	U	25.	U	25.	U	25.	U
111-91-1	bis(2-Chloroethoxy)methane		10.	U	10.	U	10.	U	10.	U
120-83-2	2,4-Dichlorophenol		10.	U	10.	U	11.		10.	U
120-82-1	1,2,4-Trichlorobenzene		10.	U	10.	U	10.	U	10.	U
91-20-3	Naphthalene		10.	U	10.	U	10.	U	10.	U
106-47-8	4-Chloroaniline		10.	U	10.	U	6500.		10.	U
87-68-3	Hexachlorobutadiene		10.	U	10.	U	10.	U	10.	U
59-50-7	4-Chloro-3-methylphenol		10.	U	10.	U	10.	U	10.	U
91-57-6	2-Methylnaphthalene		10.	U	10.	U	10.	U	10.	U
77-47-4	Hexachlorocyclopentadiene		10.	U	10.	U	10.	U	10.	U
88-06-2	2,4,6-Trichlorophenol		10.	U	10.	U	10.	U	10.	U
95-95-4	2,4,5-Trichlorophenol		25.	U	25.	U	25.	U	25.	U
91-58-7	2-Chloronaphthalene		10.	U	10.	U	10.	U	10.	U
88-74-4	2-Nitroaniline		25.	U	25.	U	25.	U	25.	U
131-11-3	Dimethylphthalate		10.	U	10.	U	10.	U	10.	U
208-96-8	Acenaphthylene		10.	U	10.	U	10.	U	10.	U
606-20-2	2,6-Dinitrotoluene		10.	U	10.	U	10.	U	10.	U
99-09-2	3-Nitroaniline		25.	U	25.	U	25.	U	25.	U
83-32-9	Acenaphthene		10.	U	10.	U	10.	U	10.	U
51-28-5	2,4-Dinitrophenol		25.	U	25.	U	25.	U	25.	U
100-02-7	4-Nitrophenol		25.	U	25.	U	25.	U	25.	U
132-64-9	Dibenzofuran		10.	U	10.	U	10.	U	10.	U

CEDAR CHEMICAL
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SVOA		SHORT ID ----->	2MW-7	2MW-7 DUP	4MW-1	4MW-3	4MW-4	9MW-1			
		ORIGINAL ID ----->	002G000707	002H000707	004G000107	004G000307	004G000407	009G000107			
CAS #	Parameter	46237	VAL	46237	VAL	46237	VAL	46237	VAL	46237	VAL
121-14-2	2,4-Dinitrotoluene	10.	U	10.	U	10.	U	10.	U	10.	U
84-66-2	Diethylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U	10.	U	10.	U	10.	U	10.	U
86-73-7	Fluorene	10.	U	10.	U	10.	U	10.	U	10.	U
100-01-6	4-Nitroaniline	25.	U	25.	U	25.	U	25.	U	25.	U
534-52-1	4,6-Dinitro-2-methylphenol	25.	U	25.	U	25.	U	25.	U	25.	U
86-30-6	N-Nitrosodiphenylamine	10.	U	10.	U	10.	U	10.	U	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U	10.	U	10.	U	10.	U	10.	U
118-74-1	Hexachlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U
87-86-5	Pentachlorophenol	25.	U	25.	U	25.	U	25.	U	25.	U
85-01-8	Phenanthrene	10.	U	10.	U	10.	U	10.	U	10.	U
120-12-7	Anthracene	10.	U	10.	U	10.	U	10.	U	10.	U
84-74-2	Di-n-butylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U
206-44-0	Fluoranthene	10.	U	10.	U	10.	U	10.	U	10.	U
129-00-0	Pyrene	10.	U	10.	U	10.	U	10.	U	10.	U
85-68-7	Butylbenzylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U
91-94-1	3,3'-Dichlorobenzidine	10.	U	10.	U	10.	U	10.	U	10.	U
56-55-3	Benzo(a)anthracene	10.	U	10.	U	10.	U	10.	U	10.	U
218-01-9	Chrysene	10.	U	10.	U	10.	U	10.	U	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	10.	U	75.	U	31.	U	10.	U	10.	U
117-84-0	Di-n-octylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U	10.	U	10.	U	10.	U	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U	10.	U	10.	U	10.	U	10.	U
50-32-8	Benzo(a)pyrene	10.	U	10.	U	10.	U	10.	U	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U	10.	U	10.	U	10.	U	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U	10.	U	10.	U	10.	U	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U	10.	U	10.	U	10.	U	10.	U
62-53-3	Aniline	10.	U	10.	U	10.	U	10.	U	10.	U
88-85-7	Dinoseb	10.	U	10.	U	10.	U	57.	U	10.	U
709-98-8	Propanil	10.	U	10.	U	310.	U	10.	U	10.	U
95-76-1	3,4-Dichloroaniline	10.	U	10.	U	2400.	U	10.	U	59.	U

CEDAR CHEMICAL
GROUNDWATER MONITORING EVENT APRIL 2001

SVOA	SHORT ID ----->	EMW-1	EMW-1 DUP	EMW-2	EMW-3	EMW-4	EMW-7						
	ORIGINAL ID ----->	00EG000107	00EH000107	00EG000207	00EG000307	00EG000407	00EG000707						
	SAMPLE DATE ----->	04/11/01	04/11/01	04/12/01	04/11/01	04/11/01	04/12/01						
	DATE EXTRACTED -->	04/13/01	04/13/01	04/14/01	04/13/01	04/13/01	04/14/01						
	DATE ANALYZED --->	04/17/01	04/17/01	04/18/01	04/17/01	04/17/01	04/18/01						
	MATRIX ----->	Water	Water	Water	Water	Water	Water						
	UNITS ----->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L						
CAS #	Parameter	46232	VAL	46232	VAL	46237	VAL	46232	VAL	46232	VAL	46237	VAL
108-95-2	Phenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
95-57-8	2-Chlorophenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
100-51-6	Benzyl alcohol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U	10.	U	10.	U	120.		21.		10.	U
95-48-7	2-Methylphenol (o-Cresol)	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
108-60-1	bis(2-Chloroisopropyl)ether	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
106-44-5	4-Methylphenol (p-Cresol)	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
67-72-1	Hexachloroethane	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
98-95-3	Nitrobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
78-59-1	Isophorone	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
88-75-5	2-Nitrophenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
105-67-9	2,4-Dimethylphenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
65-85-0	Benzoic acid	25.	U	25.	U	25.	U	8.		8.		25.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
120-83-2	2,4-Dichlorophenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
91-20-3	Naphthalene	10.	U	10.	U	10.	U	3.		10.	U	10.	U
106-47-8	4-Chloroaniline	10.	U	10.	U	10.	U	50.		310.		10.	U
87-68-3	Hexachlorobutadiene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
91-57-6	2-Methylnaphthalene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
88-06-2	2,4,6-Trichlorophenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
95-95-4	2,4,5-Trichlorophenol	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
91-58-7	2-Chloronaphthalene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
88-74-4	2-Nitroaniline	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
131-11-3	Dimethylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
208-96-8	Acenaphthylene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
99-09-2	3-Nitroaniline	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
83-32-9	Acenaphthene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
51-28-5	2,4-Dinitrophenol	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
100-02-7	4-Nitrophenol	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
132-64-9	Dibenzofuran	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U

CEDAR CHEMICAL
GROUNDWATER MONITORING EVENT APRIL 2001

SVOA	SHORT ID ----->	EMW-1	EMW-1 DUP	EMW-2	EMW-3	EMW-4	EMW-7						
	ORIGINAL ID ----->	00EG000107	00EH000107	00EG000207	00EG000307	00EG000407	00EG000707						
	SAMPLE DATE ----->	04/11/01	04/11/01	04/12/01	04/11/01	04/11/01	04/12/01						
	DATE EXTRACTED -->	04/13/01	04/13/01	04/14/01	04/13/01	04/13/01	04/14/01						
	DATE ANALYZED -->	04/17/01	04/17/01	04/18/01	04/17/01	04/17/01	04/18/01						
	MATRIX ----->	Water	Water	Water	Water	Water	Water						
	UNITS ----->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L						
CAS #	Parameter	46232	VAL	46232	VAL	46237	VAL	46232	VAL	46232	VAL	46237	VAL
121-14-2	2,4-Dinitrotoluene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
84-66-2	Diethylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
86-73-7	Fluorene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
100-01-6	4-Nitroaniline	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
534-52-1	4,6-Dinitro-2-methylphenol	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
86-30-6	N-Nitrosodiphenylamine	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
118-74-1	Hexachlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
87-86-5	Pentachlorophenol	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
85-01-8	Phenanthrene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
120-12-7	Anthracene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
84-74-2	Di-n-butylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
206-44-0	Fluoranthene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
129-00-0	Pyrene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
85-68-7	Butylbenzylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
91-94-1	3,3'-Dichlorobenzidine	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
56-55-3	Benzo(a)anthracene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
218-01-9	Chrysene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	10.	U	10.	U	10.	U	10.	U	10.	U	40.	U
117-84-0	Di-n-octylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
50-32-8	Benzo(a)pyrene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
62-53-3	Aniline	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
88-85-7	Dinoseb	6.		6.		50.		10.	U	10.	U	10.	U
709-98-8	Propanil	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
95-76-1	3,4-Dichloroaniline	4.		5.		10.	U	420.		220.		10.	U

*** Validation Complete ***

CEDAR CHEMICAL
GROUNDWATER MONITORING EVENT APRIL 2001

SVOA	SHORT ID ----->	OFFMW-1	OFFMW-2	OFFMW-3	OFFMW-4	EPZ-5						
	ORIGINAL ID ----->	OFFG000107	OFFG000207	OFFG000307	OFFG000407	PZEG000507						
	SAMPLE DATE ----->	04/11/01	04/11/01	04/12/01	04/12/01	04/11/01						
	DATE EXTRACTED -->	04/13/01	04/13/01	04/13/01	04/13/01	04/13/01						
	DATE ANALYZED -->	04/17/01	04/17/01	04/17/01	04/17/01	04/17/01						
	MATRIX ----->	Water	Water	Water	Water	Water						
	UNITS ----->	UG/L	UG/L	UG/L	UG/L	UG/L						
CAS #	Parameter	46232	VAL	46232	VAL	46232	VAL	46232	VAL	46232	VAL	
108-95-2	Phenol	10.	U	10.	U	10.	U	10.	U	10.	U	
111-44-4	bis(2-Chloroethyl)ether	10.	U	10.	U	12.		10.	U	10.	U	
95-57-8	2-Chlorophenol	10.	U	10.	U	10.	U	10.	U	10.	U	
541-73-1	1,3-Dichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	
106-46-7	1,4-Dichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	
100-51-6	Benzyl alcohol	10.	U	10.	U	10.	U	10.	U	10.	U	
95-50-1	1,2-Dichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	
95-48-7	2-Methylphenol (o-Cresol)	10.	U	10.	U	10.	U	10.	U	10.	U	
108-60-1	bis(2-Chloroisopropyl)ether	10.	U	10.	U	10.	U	10.	U	10.	U	
106-44-5	4-Methylphenol (p-Cresol)	10.	U	10.	U	10.	U	10.	U	10.	U	
621-64-7	N-Nitroso-di-n-propylamine	10.	U	10.	U	10.	U	10.	U	10.	U	
67-72-1	Hexachloroethane	10.	U	10.	U	10.	U	10.	U	10.	U	
98-95-3	Nitrobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	
78-59-1	Isophorone	10.	U	10.	U	10.	U	10.	U	10.	U	
88-75-5	2-Nitrophenol	10.	U	10.	U	10.	U	10.	U	10.	U	
105-67-9	2,4-Dimethylphenol	10.	U	10.	U	10.	U	10.	U	10.	U	
65-85-0	Benzoic acid	25.	U	25.	U	25.	U	25.	U	25.	U	
111-91-1	bis(2-Chloroethoxy)methane	10.	U	10.	U	10.	U	10.	U	10.	U	
120-83-2	2,4-Dichlorophenol	10.	U	10.	U	10.	U	10.	U	10.	U	
120-82-1	1,2,4-Trichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	
91-20-3	Naphthalene	10.	U	10.	U	10.	U	10.	U	10.	U	
106-47-8	4-Chloroaniline	10.	U	10.	U	10.	U	10.	U	10.	U	
87-68-3	Hexachlorobutadiene	10.	U	10.	U	10.	U	10.	U	10.	U	
59-50-7	4-Chloro-3-methylphenol	10.	U	10.	U	10.	U	10.	U	10.	U	
91-57-6	2-Methylnaphthalene	10.	U	10.	U	10.	U	10.	U	10.	U	
77-47-4	Hexachlorocyclopentadiene	10.	U	10.	U	10.	U	10.	U	10.	U	
88-06-2	2,4,6-Trichlorophenol	10.	U	10.	U	10.	U	10.	U	10.	U	
95-95-4	2,4,5-Trichlorophenol	25.	U	25.	U	25.	U	25.	U	25.	U	
91-58-7	2-Chloronaphthalene	10.	U	10.	U	10.	U	10.	U	10.	U	
88-74-4	2-Nitroaniline	25.	U	25.	U	25.	U	25.	U	25.	U	
131-11-3	Dimethylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U	
208-96-8	Acenaphthylene	10.	U	10.	U	10.	U	10.	U	10.	U	
606-20-2	2,6-Dinitrotoluene	10.	U	10.	U	10.	U	10.	U	10.	U	
99-09-2	3-Nitroaniline	25.	U	25.	U	25.	U	25.	U	25.	U	
83-32-9	Acenaphthene	10.	U	10.	U	10.	U	10.	U	10.	U	
51-28-5	2,4-Dinitrophenol	25.	U	25.	U	25.	U	25.	U	25.	U	
100-02-7	4-Nitrophenol	25.	U	25.	U	25.	U	25.	U	25.	U	
132-64-9	Dibenzofuran	10.	U	10.	U	10.	U	10.	U	10.	U	

CEDAR CHEMICAL
GROUNDWATER MONITORING EVENT APRIL 2001

SVA		SHORT ID ----->	OFFMW-1	OFFMW-2	OFFMW-3	OFFMW-4	EPZ-5					
		ORIGINAL ID ----->	OFFG000107	OFFG000207	OFFG000307	OFFG000407	PZEG000507					
CAS #	Parameter	46232	VAL	46232	VAL	46232	VAL	46232	VAL	46232	VAL	
121-14-2	2,4-Dinitrotoluene	10.	U	10.	U	10.	U	10.	U	10.	U	
84-66-2	Diethylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U	
7005-72-3	4-Chlorophenyl-phenylether	10.	U	10.	U	10.	U	10.	U	10.	U	
86-73-7	Fluorene	10.	U	10.	U	10.	U	10.	U	10.	U	
100-01-6	4-Nitroaniline	25.	U	25.	U	25.	U	25.	U	25.	U	
534-52-1	4,6-Dinitro-2-methylphenol	25.	U	25.	U	25.	U	25.	U	25.	U	
86-30-6	N-Nitrosodiphenylamine	10.	U	10.	U	10.	U	10.	U	10.	U	
101-55-3	4-Bromophenyl-phenylether	10.	U	10.	U	10.	U	10.	U	10.	U	
118-74-1	Hexachlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	
87-86-5	Pentachlorophenol	25.	U	25.	U	25.	U	25.	U	25.	U	
85-01-8	Phenanthrene	10.	U	10.	U	10.	U	10.	U	10.	U	
120-12-7	Anthracene	10.	U	10.	U	10.	U	10.	U	10.	U	
84-74-2	Di-n-butylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U	
206-44-0	Fluoranthene	10.	U	10.	U	10.	U	10.	U	10.	U	
129-00-0	Pyrene	10.	U	10.	U	10.	U	10.	U	10.	U	
85-68-7	Butylbenzylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U	
91-94-1	3,3'-Dichlorobenzidine	10.	U	10.	U	10.	U	10.	U	10.	U	
56-55-3	Benzo(a)anthracene	10.	U	10.	U	10.	U	10.	U	10.	U	
218-01-9	Chrysene	10.	U	10.	U	10.	U	10.	U	10.	U	
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	10.	U	10.	U	10.	U	10.	U	10.	U	
117-84-0	Di-n-octylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U	
205-99-2	Benzo(b)fluoranthene	10.	U	10.	U	10.	U	10.	U	10.	U	
207-08-9	Benzo(k)fluoranthene	10.	U	10.	U	10.	U	10.	U	10.	U	
50-32-8	Benzo(a)pyrene	10.	U	10.	U	10.	U	10.	U	10.	U	
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U	10.	U	10.	U	10.	U	10.	U	
53-70-3	Dibenz(a,h)anthracene	10.	U	10.	U	10.	U	10.	U	10.	U	
191-24-2	Benzo(g,h,i)perylene	10.	U	10.	U	10.	U	10.	U	10.	U	
62-53-3	Aniline	10.	U	10.	U	10.	U	10.	U	180.		
88-85-7	Dinoseb	10.	U	10.	U	10.	U	10.	U	10.	U	
709-98-8	Propanil	10.	U	10.	U	10.	U	10.	U	10.	U	
95-76-1	3,4-Dichloroaniline	10.	U	10.	U	10.	U	10.	U	10.	U	

CEDAR CHEMICAL
GROUNDWATER MONITORING EVENT APRIL 2001

VOA	SHORT ID ----->	1MW-1	1MW-2	1MW-3	1MW-4	1MW-5	1MW-6						
	ORIGINAL ID ----->	001G000107	001G000207	001G000307	001G000407	001G000507	001G000607						
	SAMPLE DATE ----->	04/11/01	04/11/01	04/11/01	04/11/01	04/12/01	04/11/01						
	DATE ANALYZED --->	04/19/01	04/24/01	04/23/01	04/17/01	04/23/01	04/23/01						
	MATRIX ----->	Water	Water	Water	Water	Water	Water						
	UNITS ----->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L						
CAS #	Parameter	46232	VAL	46237	VAL	46232	VAL	46232	VAL	46232	VAL		
74-87-3	Chloromethane	1.	U	1.	U	1.	U	25.	U	1.	U	50.	U
75-01-4	Vinyl chloride	1.	U	1.	U	1.	U	25.	U	1.	U	50.	U
74-83-9	Bromomethane	1.	U	1.	U	1.	U	25.	U	1.	U	50.	U
75-00-3	Chloroethane	1.	U	1.	U	1.	U	25.	U	1.	U	50.	U
75-69-4	Trichlorofluoromethane	1.	U	1.	U	1.	U	25.	U	1.	U	50.	U
75-35-4	1,1-Dichloroethene	1.	U	1.	U	1.	U	25.	U	1.	U	50.	U
67-64-1	Acetone	5.	U	6.	U	5.	U	120.	U	5.	U	250.	U
75-15-0	Carbon disulfide	1.	U	1.	U	1.	U	25.	U	1.	U	50.	U
75-09-2	Methylene chloride	2.	U	2.	U	2.	U	50.	U	2.	U	100.	U
156-60-5	trans-1,2-Dichloroethene	1.	U	1.	U	1.	U	25.	U	1.	U	50.	U
75-34-3	1,1-Dichloroethane	1.	U	1.	U	1.	U	25.	U	1.	U	50.	U
108-05-4	Vinyl acetate	1.	U	1.	U	1.	U	25.	U	1.	U	50.	U
156-59-2	cis-1,2-Dichloroethene	1.	U	1.	U	1.	U	25.	U	1.	U	50.	U
78-93-3	2-Butanone (MEK)	5.	U	5.	U	5.	U	120.	U	5.	U	250.	U
74-97-5	Chlorobromomethane	1.	U	1.	U	1.	U	25.	U	1.	U	50.	U
67-66-3	Chloroform	1.	U	1.	U	1.	U	25.	U	1.	U	50.	U
71-55-6	1,1,1-Trichloroethane	1.	U	1.	U	1.	U	25.	U	1.	U	50.	U
56-23-5	Carbon tetrachloride	1.	U	1.	U	1.	U	25.	U	1.	U	50.	U
71-43-2	Benzene	1.	U	1.	U	1.	U	25.	U	1.	U	50.	U
107-06-2	1,2-Dichloroethane	1.	U	1.	U	3.	U	540.	U	1.	U	850.	U
79-01-6	Trichloroethene	1.	U	1.	U	1.	U	25.	U	1.	U	50.	U
78-87-5	1,2-Dichloropropane	1.	U	1.	U	1.	U	25.	U	1.	U	50.	U
74-95-3	Methylene bromide	1.	U	1.	U	1.	U	25.	U	1.	U	50.	U
75-27-4	Bromodichloromethane	1.	U	1.	U	1.	U	25.	U	1.	U	50.	U
110-75-8	2-Chloroethylvinylether	1.	U	1.	U	1.	U	25.	U	1.	U	50.	U
10061-01-5	cis-1,3-Dichloropropene	1.	U	1.	U	1.	U	25.	U	1.	U	50.	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.	U	5.	U	5.	U	120.	U	5.	U	250.	U
108-88-3	Toluene	1.	U	1.	U	1.	U	25.	U	1.	U	50.	U
10061-02-6	trans-1,3-Dichloropropene	1.	U	1.	U	1.	U	25.	U	1.	U	50.	U
79-00-5	1,1,2-Trichloroethane	1.	U	1.	U	1.	U	25.	U	1.	U	50.	U
106-93-4	1,2-Dibromoethane	1.	U	1.	U	1.	U	25.	U	1.	U	50.	U
127-18-4	Tetrachloroethene	1.	U	1.	U	1.	U	25.	U	1.	U	50.	U
591-78-6	2-Hexanone	5.	U	5.	U	5.	U	120.	U	5.	U	250.	U
124-48-1	Dibromochloromethane	1.	U	1.	U	1.	U	25.	U	1.	U	50.	U
108-90-7	Chlorobenzene	1.	U	1.	U	1.	U	25.	U	1.	U	50.	U
100-41-4	Ethylbenzene	1.	U	1.	U	1.	U	25.	U	1.	U	50.	U
1330-20-7	Xylene (total)	1.	U	1.	U	1.	U	25.	U	1.	U	50.	U
100-42-5	Styrene	1.	U	1.	U	1.	U	25.	U	1.	U	50.	U
75-25-2	Bromoform	1.	U	1.	U	1.	U	25.	U	1.	U	50.	U

*** Validation Complete ***

CEDAR CHEMICAL
GROUNDWATER MONITORING EVENT APRIL 2001

VOA	SHORT ID ----->	1MW-1	1MW-2	1MW-3	1MW-4	1MW-5	1MW-6						
	ORIGINAL ID ----->	001G000107	001G000207	001G000307	001G000407	001G000507	001G000607						
	SAMPLE DATE ----->	04/11/01	04/11/01	04/11/01	04/11/01	04/12/01	04/11/01						
	DATE ANALYZED ----->	04/19/01	04/24/01	04/23/01	04/17/01	04/23/01	04/23/01						
	MATRIX ----->	Water	Water	Water	Water	Water	Water						
	UNITS ----->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L						
CAS #	Parameter	46232	VAL	46237	VAL	46232	VAL	46232	VAL	46232	VAL		
108-86-1	Bromobenzene	1.	U	1.	U	1.	U	25.	U	1.	U	50.	U
79-34-5	1,1,2,2-Tetrachloroethane	1.	U	1.	U	1.	U	25.	U	1.	U	50.	U
541-73-1	1,3-Dichlorobenzene	1.	U	1.	U	1.	U	25.	U	1.	U	50.	U
106-46-7	1,4-Dichlorobenzene	1.	U	1.	U	1.	U	25.	U	1.	U	50.	U
95-50-1	1,2-Dichlorobenzene	1.	U	1.	U	1.	U	25.	U	1.	U	50.	U

*** Validation Complete ***

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VDA	SHORT ID ----->	1MW-7	2MW-2	2MW-3	2MW-4	2MW-5	2MW-6
	ORIGINAL ID ----->	001G000707	002G000207	002G000307	002G000407	002G000507	002G000607
	SAMPLE DATE ----->	04/11/01	04/11/01	04/13/01	04/11/01	04/11/01	04/13/01
	DATE ANALYZED ---->	04/23/01	04/18/01	04/24/01	04/19/01	04/19/01	04/24/01
	MATRIX ----->	Water	Water	Water	Water	Water	Water
	UNITS ----->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
CAS #	Parameter	46232	VAL	46232	VAL	46237	VAL
74-87-3	Chloromethane	1.	U	2.	U	25.	U
75-01-4	Vinyl chloride	1.	U	2.	U	25.	U
74-83-9	Bromomethane	1.	U	2.	U	25.	U
75-00-3	Chloroethane	1.	U	2.	U	68.	U
75-69-4	Trichlorofluoromethane	1.	U	2.	U	25.	U
75-35-4	1,1-Dichloroethene	1.	U	2.	U	25.	U
67-64-1	Acetone	5.	U	10.	U	120.	U
75-15-0	Carbon disulfide	1.	U	2.	U	25.	U
75-09-2	Methylene chloride	2.	U	5.	U	50.	U
156-60-5	trans-1,2-Dichloroethene	1.	U	2.	U	25.	U
75-34-3	1,1-Dichloroethane	1.	U	2.	U	25.	U
108-05-4	Vinyl acetate	1.	U	2.	U	25.	U
156-59-2	cis-1,2-Dichloroethene	1.	U	2.	U	25.	U
78-93-3	2-Butanone (MEK)	5.	U	10.	U	120.	U
74-97-5	Chlorobromomethane	1.	U	2.	U	25.	U
67-66-3	Chloroform	1.	U	0.3	U	25.	U
71-55-6	1,1,1-Trichloroethane	1.	U	2.	U	25.	U
56-23-5	Carbon tetrachloride	1.	U	2.	U	25.	U
71-43-2	Benzene	1.	U	2.	U	25.	U
107-06-2	1,2-Dichloroethane	1.	U	2.	U	550.	U
79-01-6	Trichloroethene	1.	U	2.	U	25.	U
78-87-5	1,2-Dichloropropane	1.	U	2.	U	25.	U
74-95-3	Methylene bromide	1.	U	2.	U	25.	U
75-27-4	Bromodichloromethane	1.	U	2.	U	25.	U
110-75-8	2-Chloroethylvinylether	1.	U	2.	U	25.	U
10061-01-5	cis-1,3-Dichloropropene	1.	U	2.	U	25.	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.	U	10.	U	290.	U
108-88-3	Toluene	1.	U	2.	U	160.	U
10061-02-6	trans-1,3-Dichloropropene	1.	U	2.	U	25.	U
79-00-5	1,1,2-Trichloroethane	1.	U	2.	U	25.	U
106-93-4	1,2-Dibromoethane	1.	U	2.	U	25.	U
127-18-4	Tetrachloroethene	1.	U	2.	U	25.	U
591-78-6	2-Hexanone	5.	U	10.	U	120.	U
124-48-1	Dibromochloromethane	1.	U	2.	U	25.	U
108-90-7	Chlorobenzene	1.	U	2.	U	21.	U
100-41-4	Ethylbenzene	1.	U	2.	U	25.	U
1330-20-7	Xylene (total)	1.	U	2.	U	25.	U
100-42-5	Styrene	1.	U	2.	U	25.	U
75-25-2	Bromoform	1.	U	2.	U	25.	U

*** Validation Complete ***

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GROUNDWATER MONITORING EVENT APRIL 2001

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VOA		SHORT ID ----->	1MW-7 001G000707	2MW-2 002G000207	2MW-3 002G000307	2MW-4 002G000407	2MW-5 002G000507	2MW-6 002G000607
CAS #	Parameter		46232 VAL	46232 VAL	46237 VAL	46232 VAL	46232 VAL	46237 VAL
108-86-1	Bromobenzene		1. U	2. U	25. U	25. U	1. U	1. U
79-34-5	1,1,2,2-Tetrachloroethane		1. U	2. U	25. U	25. U	1. U	1. U
541-73-1	1,3-Dichlorobenzene		1. U	2. U	25. U	25. U	1. U	1. U
106-46-7	1,4-Dichlorobenzene		1. U	2. U	25. U	25. U	1. U	1. U
95-50-1	1,2-Dichlorobenzene		1. U	53.	94.	76.	4.	18.

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VQA	SHORT ID ----->	2MW-7	2MW-7 DUP	4MW-1	4MW-3	4MW-4	9MW-1						
	ORIGINAL ID ----->	002G000707	002H000707	004G000107	004G000307	004G000407	009G000107						
	SAMPLE DATE ----->	04/13/01	04/13/01	04/13/01	04/11/01	04/13/01	04/12/01						
	DATE ANALYZED ----->	04/23/01	04/23/01	04/24/01	04/19/01	04/23/01	04/23/01						
	MATRIX ----->	Water	Water	Water	Water	Water	Water						
	UNITS ----->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L						
CAS #	Parameter	46237	VAL	46237	VAL	46237	VAL	46237	VAL	46237	VAL		
74-87-3	Chloromethane	1.	U	1.	U	2500.	U	20.	U	25.	U	50.	U
75-01-4	Vinyl chloride	1.	U	1.	U	2500.	U	20.	U	25.	U	50.	U
74-83-9	Bromomethane	1.	U	1.	U	2500.	U	20.	U	25.	U	50.	U
75-00-3	Chloroethane	1.	U	1.	U	2500.	U	20.	U	25.	U	50.	U
75-69-4	Trichlorofluoromethane	1.	U	1.	U	2500.	U	20.	U	25.	U	50.	U
75-35-4	1,1-Dichloroethene	1.	U	1.	U	2500.	U	20.	U	25.	U	50.	U
67-64-1	Acetone	5.	U	5.	U	12000.	U	100.	U	120.	U	250.	U
75-15-0	Carbon disulfide	1.	U	1.	U	2500.	U	20.	U	25.	U	50.	U
75-09-2	Methylene chloride	2.	U	2.	U	5000.	U	42.	U	50.	U	100.	U
156-60-5	trans-1,2-Dichloroethene	1.	U	1.	U	2500.	U	20.	U	25.	U	50.	U
75-34-3	1,1-Dichloroethane	1.	U	1.	U	2500.	U	20.	U	25.	U	50.	U
108-05-4	Vinyl acetate	1.	U	1.	U	2500.	U	20.	U	25.	U	50.	U
156-59-2	cis-1,2-Dichloroethene	1.	U	1.	U	2500.	U	20.	U	25.	U	50.	U
78-93-3	2-Butanone (MEK)	5.	U	5.	U	12000.	U	100.	U	120.	U	250.	U
74-97-5	Chlorobromomethane	1.	U	1.	U	2500.	U	20.	U	25.	U	50.	U
67-66-3	Chloroform	1.	U	1.	U	2500.	U	20.	U	25.	U	50.	U
71-55-6	1,1,1-Trichloroethane	1.	U	1.	U	2500.	U	20.	U	25.	U	50.	U
56-23-5	Carbon tetrachloride	1.	U	1.	U	2500.	U	20.	U	25.	U	50.	U
71-43-2	Benzene	1.	U	1.	U	2500.	U	20.	U	25.	U	50.	U
107-06-2	1,2-Dichloroethane	1.	U	1.	U	2500.	U	390.	U	570.	U	800.	U
79-01-6	Trichloroethene	1.	U	1.	U	2500.	U	20.	U	25.	U	50.	U
78-87-5	1,2-Dichloropropane	1.	U	1.	U	2500.	U	20.	U	25.	U	50.	U
74-95-3	Methylene bromide	1.	U	1.	U	2500.	U	20.	U	25.	U	50.	U
75-27-4	Bromodichloromethane	1.	U	1.	U	2500.	U	20.	U	25.	U	50.	U
110-75-8	2-Chloroethylvinylether	1.	U	1.	U	2500.	U	20.	U	25.	U	50.	U
10061-01-5	cis-1,3-Dichloropropene	1.	U	1.	U	2500.	U	20.	U	25.	U	50.	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.	U	5.	U	12000.	U	100.	U	120.	U	250.	U
108-88-3	Toluene	1.	U	1.	U	63000.	U	110.	U	25.	U	50.	U
10061-02-6	trans-1,3-Dichloropropene	1.	U	1.	U	2500.	U	20.	U	25.	U	50.	U
79-00-5	1,1,2-Trichloroethane	1.	U	1.	U	2500.	U	20.	U	25.	U	50.	U
106-93-4	1,2-Dibromoethane	1.	U	1.	U	2500.	U	20.	U	25.	U	50.	U
127-18-4	Tetrachloroethene	1.	U	1.	U	2500.	U	20.	U	25.	U	50.	U
591-78-6	2-Hexanone	5.	U	5.	U	12000.	U	100.	U	120.	U	250.	U
124-48-1	Dibromochloromethane	1.	U	1.	U	2500.	U	20.	U	25.	U	50.	U
108-90-7	Chlorobenzene	1.	U	1.	U	2500.	U	20.	U	15.	U	50.	U
100-41-4	Ethylbenzene	1.	U	1.	U	2500.	U	20.	U	25.	U	50.	U
1330-20-7	Xylene (total)	1.	U	1.	U	2500.	U	20.	U	25.	U	50.	U
100-42-5	Styrene	1.	U	1.	U	2500.	U	20.	U	25.	U	50.	U
75-25-2	Bromoform	1.	U	1.	U	2500.	U	20.	U	25.	U	50.	U

*** Validation Complete ***

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VOA	SHORT ID ----->	2MW-7	2MW-7 DUP	4MW-1	4MW-3	4MW-4	9MW-1						
	ORIGINAL ID ----->	002G000707	002H000707	004G000107	004G000307	004G000407	009G000107						
	SAMPLE DATE ----->	04/13/01	04/13/01	04/13/01	04/11/01	04/13/01	04/12/01						
	DATE ANALYZED ---->	04/23/01	04/23/01	04/24/01	04/19/01	04/23/01	04/23/01						
	MATRIX ----->	Water	Water	Water	Water	Water	Water						
	UNITS ----->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L						
CAS #	Parameter	46237	VAL	46237	VAL	46237	VAL	46232	VAL	46237	VAL	46237	VAL
108-86-1	Bromobenzene	1.	U	1.	U	2500.	U	20.	U	25.	U	50.	U
79-34-5	1,1,2,2-Tetrachloroethane	1.	U	1.	U	2500.	U	20.	U	25.	U	50.	U
541-73-1	1,3-Dichlorobenzene	1.	U	1.	U	2500.	U	20.	U	25.	U	50.	U
106-46-7	1,4-Dichlorobenzene	1.	U	1.	U	2500.	U	20.	U	25.	U	50.	U
95-50-1	1,2-Dichlorobenzene	1.	U	1.	U	2500.	U	17.		25.	U	37.	

*** Validation Complete ***

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VOA	SHORT ID ----->	EMW-1	EMW-1 DUP	EMW-2	EMW-3	EMW-4	EMW-7				
	ORIGINAL ID ----->	00EG000107	00EH000107	00EG000207	00EG000307	00EG000407	00EG000707				
	SAMPLE DATE ----->	04/11/01	04/11/01	04/12/01	04/11/01	04/11/01	04/12/01				
	DATE ANALYZED --->	04/19/01	04/23/01	04/23/01	04/23/01	04/21/01	04/23/01				
	MATRIX ----->	Water	Water	Water	Water	Water	Water				
	UNITS ----->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L				
CAS #	Parameter	46232	VAL	46232	VAL	46232	VAL	46232	VAL	46237	VAL
74-87-3	Chloromethane	1.	U	1.	U	200.	U	25.	U	500.	U
75-01-4	Vinyl chloride	1.	U	1.	U	200.	U	25.	U	500.	U
74-83-9	Bromomethane	1.	U	1.	U	200.	U	25.	U	500.	U
75-00-3	Chloroethane	1.	U	1.	U	200.	U	25.	U	500.	U
75-69-4	Trichlorofluoromethane	1.	U	1.	U	200.	U	25.	U	500.	U
75-35-4	1,1-Dichloroethene	1.	U	1.	U	200.	U	25.	U	500.	U
67-64-1	Acetone	5.	U	5.	U	1000.	U	120.	U	2500.	U
75-15-0	Carbon disulfide	1.	U	1.	U	200.	U	25.	U	500.	U
75-09-2	Methylene chloride	2.	U	2.	U	400.	U	50.	U	1000.	U
156-60-5	trans-1,2-Dichloroethene	1.	U	1.	U	200.	U	25.	U	500.	U
75-34-3	1,1-Dichloroethane	1.	U	1.	U	200.	U	25.	U	500.	U
108-05-4	Vinyl acetate	1.	U	1.	U	200.	U	25.	U	500.	U
156-59-2	cis-1,2-Dichloroethene	1.	U	1.	U	200.	U	25.	U	500.	U
78-93-3	2-Butanone (MEK)	5.	U	5.	U	1000.	U	120.	U	2500.	U
74-97-5	Chlorobromomethane	1.	U	1.	U	200.	U	25.	U	500.	U
67-66-3	Chloroform	1.	U	1.	U	200.	U	25.	U	500.	U
71-55-6	1,1,1-Trichloroethane	1.	U	1.	U	200.	U	25.	U	500.	U
56-23-5	Carbon tetrachloride	1.	U	1.	U	200.	U	25.	U	500.	U
71-43-2	Benzene	1.	U	1.	U	200.	U	25.	U	500.	U
107-06-2	1,2-Dichloroethane	0.8		0.7		4800.		490.		30000.	
79-01-6	Trichloroethene	1.	U	1.	U	200.	U	25.	U	500.	U
78-87-5	1,2-Dichloropropane	1.	U	1.	U	200.	U	25.	U	500.	U
74-95-3	Methylene bromide	1.	U	1.	U	200.	U	25.	U	500.	U
75-27-4	Bromodichloromethane	1.	U	1.	U	200.	U	25.	U	500.	U
110-75-8	2-Chloroethylvinylether	1.	U	1.	U	200.	U	25.	U	500.	U
10061-01-5	cis-1,3-Dichloropropene	1.	U	1.	U	200.	U	25.	U	500.	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.	U	5.	U	1000.	U	120.	U	2500.	U
108-88-3	Toluene	1.	U	1.	U	200.	U	25.	U	500.	U
10061-02-6	trans-1,3-Dichloropropene	1.	U	1.	U	200.	U	25.	U	500.	U
79-00-5	1,1,2-Trichloroethane	1.	U	1.	U	200.	U	25.	U	500.	U
106-93-4	1,2-Dibromoethane	1.	U	1.	U	200.	U	25.	U	500.	U
127-18-4	Tetrachloroethene	1.	U	1.	U	200.	U	25.	U	500.	U
591-78-6	2-Hexanone	5.	U	5.	U	1000.	U	120.	U	2500.	U
124-48-1	Dibromochloromethane	1.	U	1.	U	200.	U	25.	U	500.	U
108-90-7	Chlorobenzene	1.	U	1.	U	200.	U	53.		500.	U
100-41-4	Ethylbenzene	1.	U	1.	U	200.	U	25.	U	500.	U
1330-20-7	Xylene (total)	1.	U	1.	U	200.	U	25.	U	500.	U
100-42-5	Styrene	1.	U	1.	U	200.	U	25.	U	500.	U
75-25-2	Bromoform	1.	U	1.	U	200.	U	25.	U	500.	U

*** Validation Complete ***

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VOA	SHORT ID ----->	EMW-1	EMW-1 DUP	EMW-2	EMW-3	EMW-4	EMW-7						
	ORIGINAL ID ----->	00EG000107	00EH000107	00EG000207	00EG000307	00EG000407	00EG000707						
CAS #	Parameter	46232	VAL	46232	VAL	46237	VAL	46232	VAL	46232	VAL	46237	VAL
108-86-1	Bromobenzene	1.	U	1.	U	1.	U	200.	U	25.	U	500.	U
79-34-5	1,1,2,2-Tetrachloroethane	1.	U	1.	U	1.	U	200.	U	25.	U	500.	U
541-73-1	1,3-Dichlorobenzene	1.	U	1.	U	1.	U	200.	U	25.	U	500.	U
106-46-7	1,4-Dichlorobenzene	1.	U	1.	U	1.	U	200.	U	25.	U	500.	U
95-50-1	1,2-Dichlorobenzene	1.	U	0.1		1.	U	74.		31.		500.	U

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VDA	SHORT ID ----->	OFFMW-1	OFFMW-2	OFFMW-3	OFFMW-4	EPZ-5						
	ORIGINAL ID ----->	OFFG000107	OFFG000207	OFFG000307	OFFG000407	PZEG000507						
CAS #	Parameter	46232	VAL	46232	VAL	46232	VAL	46232	VAL	46232	VAL	
74-87-3	Chloromethane	50.	U	250.	U	25.	U	10.	U	1.	U	
75-01-4	Vinyl chloride	50.	U	250.	U	25.	U	10.	U	1.	U	
74-83-9	Bromomethane	50.	U	250.	U	25.	U	10.	U	1.	U	
75-00-3	Chloroethane	50.	U	250.	U	25.	U	10.	U	1.	U	
75-69-4	Trichlorofluoromethane	50.	U	250.	U	25.	U	10.	U	1.	U	
75-35-4	1,1-Dichloroethene	50.	U	250.	U	25.	U	10.	U	1.	U	
67-64-1	Acetone	250.	U	1200.	U	120.	U	50.	U	6.	U	
75-15-0	Carbon disulfide	50.	U	250.	U	25.	U	10.	U	1.	U	
75-09-2	Methylene chloride	100.	U	1400.	U	50.	U	20.	U	3.	U	
156-60-5	trans-1,2-Dichloroethene	50.	U	250.	U	25.	U	10.	U	1.	U	
75-34-3	1,1-Dichloroethane	50.	U	250.	U	25.	U	10.	U	1.	U	
108-05-4	Vinyl acetate	50.	U	250.	U	25.	U	10.	U	1.	U	
156-59-2	cis-1,2-Dichloroethene	50.	U	250.	U	25.	U	10.	U	1.	U	
78-93-3	2-Butanone (MEK)	250.	U	1200.	U	120.	U	50.	U	5.	U	
74-97-5	Chlorobromomethane	50.	U	250.	U	25.	U	10.	U	1.	U	
67-66-3	Chloroform	50.	U	250.	U	25.	U	10.	U	1.	U	
71-55-6	1,1,1-Trichloroethane	50.	U	250.	U	25.	U	10.	U	1.	U	
56-23-5	Carbon tetrachloride	50.	U	250.	U	25.	U	10.	U	1.	U	
71-43-2	Benzene	50.	U	250.	U	25.	U	10.	U	1.	U	
107-06-2	1,2-Dichloroethane	990.		10000.		700.		250.		2.		
79-01-6	Trichloroethene	50.	U	250.	U	25.	U	10.	U	1.	U	
78-87-5	1,2-Dichloropropane	50.	U	250.	U	25.	U	10.	U	1.	U	
74-95-3	Methylene bromide	50.	U	250.	U	25.	U	10.	U	1.	U	
75-27-4	Bromodichloromethane	50.	U	250.	U	25.	U	10.	U	1.	U	
110-75-8	2-Chloroethylvinylether	50.	U	250.	U	25.	U	10.	U	1.	U	
10061-01-5	cis-1,3-Dichloropropene	50.	U	250.	U	25.	U	10.	U	1.	U	
108-10-1	4-Methyl-2-Pentanone (MIBK)	250.	U	1200.	U	120.	U	50.	U	5.	U	
108-88-3	Toluene	610.		250.	U	25.	U	10.	U	1.	U	
10061-02-6	trans-1,3-Dichloropropene	50.	U	250.	U	25.	U	10.	U	1.	U	
79-00-5	1,1,2-Trichloroethane	50.	U	250.	U	25.	U	10.	U	1.	U	
106-93-4	1,2-Dibromoethane	50.	U	250.	U	25.	U	10.	U	1.	U	
127-18-4	Tetrachloroethene	50.	U	250.	U	25.	U	10.	U	1.	U	
591-78-6	2-Hexanone	250.	U	1200.	U	120.	U	50.	U	5.	U	
124-48-1	Dibromochloromethane	50.	U	250.	U	25.	U	10.	U	1.	U	
108-90-7	Chlorobenzene	50.	U	250.	U	25.	U	10.	U	1.	U	
100-41-4	Ethylbenzene	50.	U	250.	U	25.	U	10.	U	1.	U	
1330-20-7	Xylene (total)	50.	U	250.	U	25.	U	10.	U	1.	U	
100-42-5	Styrene	50.	U	250.	U	25.	U	10.	U	1.	U	
75-25-2	Bromoform	50.	U	250.	U	25.	U	10.	U	1.	U	

*** Validation Complete ***

CEDAR CHEMICAL
GROUNDWATER MONITORING EVENT APRIL 2001

VDA	SHORT ID ----->	OFFMW-1	OFFMW-2	OFFMW-3	OFFMW-4	EPZ-5					
	ORIGINAL ID ----->	OFFG000107	OFFG000207	OFFG000307	OFFG000407	PZEG000507					
CAS #	Parameter	46232	VAL	46232	VAL	46232	VAL	46232	VAL		
108-86-1	Bromobenzene	50.	U	250.	U	25.	U	10.	U	1.	U
79-34-5	1,1,2,2-Tetrachloroethane	50.	U	250.	U	25.	U	10.	U	1.	U
541-73-1	1,3-Dichlorobenzene	50.	U	250.	U	25.	U	10.	U	1.	U
106-46-7	1,4-Dichlorobenzene	50.	U	250.	U	25.	U	10.	U	1.	U
95-50-1	1,2-Dichlorobenzene	50.	U	250.	U	25.	U	10.	U	1.	U